

25 FEB 59

CONTRACT # 113 TASK # 3 (CD-182)

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I. Camera Description: SEE ATTACHED.

II PROGRESS TO DATE:

1. DESIGN IS 70% COMPLETE.
2. DRAFTING IS 30% COMPLETE, MAGAZINES ONLY.
3. FABRICATION IS 10% COMPLETE, MAGAZINES ONLY.



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CD-182 SPECIFICATIONS (MODIFIED)

FIVE (5) CAMERA SETS

1. Format: 966⁺ on 35MM film.
2. Rate: a. High, 1 frame per 1/2 second (2 FR/sec.)
b. Pulse received from external source (via cable)
3. Film Transport: a. Four (4) station Geneva, single pin driver
b. Coupling gears, camera to magazine.
4. Drive: Gear motor for film transport and shutter.
5. Shutter Speeds: a. 1/5, 1/10, 1/25, 1/50, 1/200, 1/400 second.
b. Automatic setting shutter device.
6. Exposure Control: Automatic
 - a. Photocell
 - b. Amplifier
 - c. Gear Motor
 - d. Shutter Blades
 - e. Variable Density Blades
7. Data Recording: Each frame, day and hour (15min. increments)
 - a. Timer
 - b. Optical system

8. Controls: Tamper proof, tool required for settings

- a. Amplifier
- b. Remote switch for operator
- c. Boresight switch, on-off-time-boresight

9. Reflex Housing: a. Model, new Leitz

- b. Thread mount for short barrel lens
- c. Praktina mount to camera body

10. Lens: a. Leica short barrel for thread engagement.

- b. 50MM with Praktina mount
- c. Viewfinder for use with 50MM lens.

11. Lens Support: Use with long focal lens.

12. Mount for Sensor: a. 16MM camera body size

- b. Receptacle (connector) in camera

13. Boresight

14. Mounting plate: a. To tri-pod

- b. Camera to mount in 2 planes.

15. Magazines: Intermittent via coupling gears.

- a. 1000' capacity, 2 req'd.
- b. 400' " "
- c. 100' " "
- d. 3 spares of each size on total order

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16. Power supply and cables.

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